

a.) Amendments to the Claims

Claims 1-25 (Cancelled).

26. (Currently Amended) A method for quantitating triglyceride in a particular lipoprotein in a sample containing triglycerides in a mixture of lipoproteins and free glycerol which comprises the steps of:

- (1) eliminating the free glycerol from the sample,
- (2) reacting the sample from step (1) which contains the mixture of the lipoprotein with lipoprotein lipase to produce glycerol in the presence of a reagent which inhibits a reaction of lipoproteins other than the particular lipoprotein,
- (3) reacting the sample from step (2) with an enzyme system which generates hydrogen peroxide from free glycerol, and
- (4) quantitating generated hydrogen peroxide from step (3),
wherein the particular lipoprotein is high density lipoprotein.

27. (Previously Presented) The method according to claim 26, wherein the reagent in step (2) comprises a surfactant which inhibits the reaction of lipoproteins other than the particular one or an aggregating agent for lipoproteins other than the particular one.

28. (Previously Presented) The method according to claim 27, wherein the surfactant is selected from the group consisting of polyoxyethylene glycol alkyl ether, polyoxyethylene glycol alkyl phenyl ether, polyoxyethylene glycol-polyoxypropylene glycol condensate, polyoxyethylene glycol alkyl ether sulfate, polyoxyethylene glycol derivative which is a low foaming wetting penetrant, anionic surfactant and bile acid.

29. (Previously Presented) The method according to claim 27, wherein the aggregating agent is selected from the group consisting of a combination of a polyanion and a bivalent metal salt, an antibody aggregating lipoproteins other than the particular lipoprotein and polyoxyethylene glycol.

30. (Previously Presented) The method according to claim 26, wherein the reagent in step (2) comprises a polyoxyethylene glycol derivative which is a low foaming wetting penetrant.

31. (Previously Presented) The method according to claim 26, wherein the reagent in step (2) comprises a combination of polyanion and bivalent metal salt.

32. (Previously Presented) The method according to claim 26, wherein step (1) comprises (A) utilizing the enzyme system to produce hydrogen peroxide from free glycerol, and (B) then eliminating hydrogen peroxide so generated.

33. (Previously Presented) The method according to claim 32, wherein step (B) comprises utilizing one of coupling-type chromogens and peroxidase.

34. (Previously Presented) The method according to claim 26, wherein step (4) comprises allowing hydrogen peroxide to react with peroxidase and a chromogen to yield a pigment, and quantitating the pigment as absorbance.

35. (Previously Presented) The method according to claim 34, wherein the chromogen comprises 4-aminoantipyrine and Trinder reagent.

36. (Previously Presented) The method according to any one of claims 26 to 35, wherein the enzyme system that generates hydrogen peroxide from free glycerol comprises glycerol kinase and glycerol 3-phosphate oxidase.

37. (Previously Presented) The method according to any one of claims 26 to 35, wherein the enzyme system that generates hydrogen peroxide from free glycerol comprises glycerol oxidase.

Claim 38 (Cancelled).

39. (Currently Amended) A method for quantitating triglyceride in a particular lipoprotein ~~in a sample containing triglycerides in a mixture of lipoproteins and free glycerol~~ which comprises the steps of:

(1) eliminating the free glycerol and triglycerides in lipoproteins other than the particular one from ~~the a sample, said sample containing triglycerides in a mixture of lipoproteins and free glycerol,~~ in the presence of a reagent that allows the reaction of lipoprotein other than the particular one,

(2) reacting the sample from step (1) with lipoprotein lipase to produce glycerol in the presence of a surfactant or enzyme that allows the reaction of a particular lipoprotein,

(3) reacting the sample from step (2) with an enzyme system which generates hydrogen peroxide from free glycerol, and

(4) quantitating generated hydrogen peroxide from step (3),
wherein the particular lipoprotein is low density lipoprotein.

40. (Previously Presented) The method according to claim 39, wherein the reagent in step (1) comprises a surfactant that allows the reaction of lipoproteins other than the particular one.

41. (Currently Amended) The method according to claim 40, wherein the reagent in step (1) comprises polyoxyethylene glycol alkyl phenyl ether (having an HLB of 15 or higher) or polyoxyethylene glycol derivatives which ~~is a low forming~~ are a low foaming wetting penetrant.

42. (Previously Presented) The method according to claim 40, further comprises an aggregating agent for the lipoprotein.

43. (Previously Presented) The method according to claim 42, wherein the aggregating agent comprises polyanion or antibody aggregating the particular lipoprotein.

44. (Previously Presented) The method according to claim 39, wherein the surfactant comprises a non-ionic surfactant in which the particular lipoprotein is soluble.

45. (Previously Presented) The method according to claim 39, wherein step (1) comprises (A) utilizing the enzyme system to produce hydrogen peroxide from free glycerol, and (B) then eliminating hydrogen peroxide so generated.

46. (Previously Presented) The method according to claim 45, wherein step (B) comprises utilizing one of coupling-type chromogens and peroxidase.

47. (Previously Presented) The method according to claim 39, wherein step (4) comprises allowing hydrogen peroxide to react with peroxidase and a chromogen to yield a pigment, and quantitating the pigment as absorbance.

48. (Previously Presented) The method according to claim 47, wherein the chromogen comprises 4-aminoantipyrine and Trinder reagent.

49. (Previously Presented) The method according to any one of claims 39 to 48, wherein the enzyme system that generates hydrogen peroxide from free glycerol comprises glycerol kinase and glycerol 3-phosphate oxidase.

50. (Previously Presented) The method according to any one of claims 39 to 48, wherein the enzyme system that generates hydrogen peroxide from free glycerol comprises glycerol oxidase.

Claim 51 (Cancelled)